

Set Name Query

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result set

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

<u>L34</u>	(bimodal particle size distribution)	400	<u>L34</u>
<u>L33</u>	(bimodal near particle size distribution)	410	<u>L33</u>
<u>L32</u>	(bimodal near2 particle size distribution)	535	<u>L32</u>
<u>L31</u>	L29 and (bimodal near2 particle size distribution)	0	<u>L31</u>
<u>L30</u>	L29 and bimodal particle size distribution	0	<u>L30</u>
<u>L29</u>	micron and L28	63	<u>L29</u>
<u>L28</u>	l26 and L27	205	<u>L28</u>
<u>L27</u>	titanium dioxide and mean particle diameter	728	<u>L27</u>
<u>L26</u>	l24 and L25	205	<u>L26</u>
<u>L25</u>	(cristobalite or silica or silicon dioxide) and mean particle diameter	2746	<u>L25</u>
<u>L24</u>	coat\$ and silicone and (cristobalite or silica or silicon dioxide) and titanium dioxide	7532	<u>L24</u>
<u>L23</u>	silicone and l21	0	<u>L23</u>
<u>L22</u>	silicone and l18	12	<u>L22</u>
<u>L21</u>	bimodal particle size distribution near4 filler and (silicon dioxide or silica)	2	<u>L21</u>
<u>L20</u>	bimodal particle size distribution near3 filler and (silicon dioxide or silica)	1	<u>L20</u>
<u>L19</u>	bimodal particle size distribution near2 filler and (silicon dioxide or silica)	1	<u>L19</u>
<u>L18</u>	bimodal particle size distribution near5 filler and (silicon dioxide or silica)	21	<u>L18</u>
<u>L17</u>	bimodal particle size distribution near filler and (silicon dioxide or silica)	0	<u>L17</u>
<u>L16</u>	silicone and L13	19	<u>L16</u>
<u>L15</u>	silicone and L14	2	<u>L15</u>
<u>L14</u>	micron and L11	6	<u>L14</u>
<u>L13</u>	micron and L12	37	<u>L13</u>
<u>L12</u>	bimodal particle size distribution and filler and (silicon dioxide or silica)	60	<u>L12</u>
<u>L11</u>	bimodal particle size distribution and filler and titanium dioxide	20	<u>L11</u>
<u>L10</u>	bimodal particle size distribution and filler and cristobalite	0	<u>L10</u>
<u>L9</u>	bimodal particle size distribution and filler	147	<u>L9</u>
<u>L8</u>	bimodal particle size distribution	447	<u>L8</u>
<u>L7</u>	l5 and l6	1	<u>L7</u>
<u>L6</u>	mean particle diameter near 3 micron	24	<u>L6</u>
<u>L5</u>	mean particle diameter near 5 micron	44	<u>L5</u>

[L4](#) mean particle diameter
[L3](#) Ermuth, Josef [in]
[L2](#) Wink, Reinhardt [in]
[L1](#) Born, Andrea [in]

13687 [L4](#)
1 [L3](#)
1 [L2](#)
4 [L1](#)

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 19 of 19 returned.

1. Document ID: US 20030124259 A1

L16

Entry 1 of 19

File: PGPB

Jul 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030124259
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030124259 A1

TITLE: Precursor compositions for the deposition of electrically conductive features

PUBLICATION-DATE: July 3, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kodas, Toivo T.	Albuquerque	NM	US	
Hampden-Smith, Mark J.	Albuquerque	NM	US	
Vanheusden, Karel	Placitas	NM	US	
Denham, Hugh	Albuquerque	NM	US	
Stump, Aaron D.	Albuquerque	NM	US	
Schult, Allen B.	Albuquerque	NM	US	
Atanassova, Paolina	Albuquerque	NM	US	
Kunze, Klaus	Half Moon Bay	CA	US	

US-CL-CURRENT: 427/376.6; 106/1.23, 106/1.24, 106/1.25, 106/1.28

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	Draw
Draw Desc	Imags										

2. Document ID: US 20030119931 A1

L16: Entry 2 of 19

File: PGPB

Jun 26, 2003

PGPUB-DOCUMENT-NUMBER: 20030119931
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030119931 A1

TITLE: Novel spiroorthocarbonates

PUBLICATION-DATE: June 26, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Oxman, Joel D.	St. Louis Park	MN	US	
Chappelow, Cecil C.	Leawood	KS	US	
Pinzino, Charles S.	Kansas City	MO	US	
Eick, J. David	Gladstone	MO	US	

US-CL-CURRENT: 522/14

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	PMC
Draw Desc	Image										

3. Document ID: US 20030114554 A1

LI6: Entry 3 of 19

File: PGPB

Jun 19, 2003

PGPUB-DOCUMENT-NUMBER: 20030114554
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030114554 A1

TITLE: Dental resin cements having improved handling properties

PUBLICATION-DATE: June 19, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ario, Paula D.	Woodbury	MN	US	
Aasen, Steven M.	Woodbury	MN	US	
Holmes, Brian N.	St. Paul	MN	US	

US-CL-CURRENT: 523/116

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	PMC
Draw Desc	Image										

4. Document ID: US 20030114553 A1

LI6: Entry 4 of 19

File: PGPB

Jun 19, 2003

PGPUB-DOCUMENT-NUMBER: 20030114553
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030114553 A1

TITLE: Hardenable self-supporting structures and methods

PUBLICATION-DATE: June 19, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Karim, Naimul	Maplewood	MN	US	
Jones, Todd D.	St. Paul	MN	US	
Lewandowski, Kevin M.	Inver Grove Heights	MN	US	
Fansler, Duane D.	Dresser	WI	US	
Nelson, James M.	Roseville	MN	US	
Salvieto-Rivas, Marcelino	Eagan	MN	US	
Gaddam, Babu N.	Woodbury	MN	US	
Abuelyaman, Ahmed S.	Woodbury	MN	US	
Mitra, Sumita B.	West St. Paul	MN	US	

US-CL-CURRENT: 523/115; 523/116, 524/493

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Image
Draw Desc	Image									

5. Document ID: US 20020115743 A1

L16: Entry 5 of 19

File: PGPB

Aug 22, 2002

PGPUB-DOCUMENT-NUMBER: 20020115743

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020115743 A1

TITLE: Dental materials with extendable work time, kits, and methods

PUBLICATION-DATE: August 22, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Karim, Naimul	Maplewood	MN	US	
Oxman, Joel D.	St. Louis Park	MN	US	
Abuelyaman, Ahmed S.	Woodbury	MN	US	
Gaddam, Babu N.	Woodbury	MN	US	

US-CL-CURRENT: 523/115; 523/116

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Image
Draw Desc	Image									

6. Document ID: US 20020090525 A1

L16: Entry 6 of 19

File: PGPB

Jul 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020090525

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020090525 A1

TITLE: Dental mill blanks

PUBLICATION-DATE: July 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rusin, Richard P.	Woodbury	MN	US	
Cummings, Kevin M.	Little Canada	MN	US	
Carufel, Roger J.	Croix	MN	US	

US-CL-CURRENT: 428/542.8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Image
Draw Desc	Image									

7. Document ID: US 20020013380 A1

L16: Entry 7 of 19

File: PGPB

Jan 31, 2002

PGPUB-DOCUMENT-NUMBER: 20020013380
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020013380 A1

TITLE: PHOTOPOLYMERIZABLE VINYL ETHER BASED MONOMERIC FORMULATIONS AND POLYMERIZABLE COMPOSITIONS WHICH MAY INCLUDE CERTAIN NOVEL SPIROORTHOCARBONATES

PUBLICATION-DATE: January 31, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
CHAPPELOW, CECIL C.	LEAWOOD	KS	US	
PINZINO, CHARLES S.	KANSAS CITY	KS	US	
RICK, J. DAVID	GLADESTONE	MO	US	
OXMAN, JOEL D.	ST. LOUIS PARK	MN	US	

US-CL-CURRENT: 522/14, 522/15, 522/168, 522/170, 522/181, 522/25

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	PMC
Draw Desc	Image									

8. Document ID: US 6506816 B1

L16: Entry 8 of 19

File: USPT

Jan 14, 2003

US-PAT-NO: 6506816
DOCUMENT-IDENTIFIER: US 6506816 B1

TITLE: Dental resin cements having improved handling properties

DATE-ISSUED: January 14, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ario; Paula D.	Woodbury	MN		
Aasen; Steven M.	Woodbury	MN		
Holmes; Brian N.	St. Paul	MN		

US-CL-CURRENT: 523/116; 433/215, 433/228.1, 523/115, 523/118, 524/533, 524/556, 524/559, 526/323.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	PMC
Draw Desc	Image									

9. Document ID: US 6458865 B2

L16: Entry 9 of 19

File: USPT

Oct 1, 2002

US-PAT-NO: 6458865
DOCUMENT-IDENTIFIER: US 6458865 B2

TITLE: Photopolymerizable vinyl ether based monomeric formulations and polymerizable compositions which may include certain novel spiroorthocarbonates

DATE-ISSUED: October 1, 2002

WEST

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Search Results - Record(s) 1 through 2 of 2 returned.**1. Document ID: US 5744544 A**

L15: Entry 1 of 2

File: USPT

Apr 28, 1998

US-PAT-NO: 5744544

DOCUMENT-IDENTIFIER: US 5744544 A

TITLE: High solids copolymer dispersion from a latex and its use in sealants

DATE-ISSUED: April 28, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dunaway; James H.	Cuyahoga Falls	OH		
Hernandez; Pamela K.	Brunswick	OH		
Bidinger; Gregory P.	Copley	OH		
Lee; Bing-Lin	Broadview Heights	OH		

US-CL-CURRENT: 524/832; 524/833

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw	Desc	Image							

NIMC

2. Document ID: US 5424101 A

L15: Entry 2 of 2

File: USPT

Jun 13, 1995

US-PAT-NO: 5424101

DOCUMENT-IDENTIFIER: US 5424101 A

TITLE: Method of making metallized epoxy tools

DATE-ISSUED: June 13, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Atkins; Richard P.	Utica	MI		
Kuo; Hong-Heiang	Troy	MI		
Wang; Chen-Shih	Troy	MI		

US-CL-CURRENT: 427/448; 427/197, 427/203, 427/205, 427/262, 427/267, 427/280, 427/404,
427/407.1, 427/419.5, 427/419.7, 427/422, 427/427, 427/449, 427/455, 427/456, 427/580

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw	Desc	Image							

NIMC

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chappelow; Cecil C.	Leawood	KS		
Pinzino; Charles S.	Kansas City	MO		
Eick; J. David	Gladstone	MO		
Oxman; Joel D.	St. Louis Park	MN		

US-CL-CURRENT: 522/14; 433/228.1, 522/15, 522/168, 522/169, 522/170, 522/173, 522/181,
522/25, 522/28, 522/908, 523/115, 523/116, 523/117

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Image
Exam Data	Image									

10. Document ID: US 6316100 B1

L16: Entry 10 of 19

File: USPT

Nov 13, 2001

US-PAT-NO: 6316100

DOCUMENT-IDENTIFIER: US 6316100 B1

TITLE: Nickel powders, methods for producing powders and devices fabricated from same

DATE-ISSUED: November 13, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kodas; Toivo T.	Albuquerque	NM		
Hampden-Smith; Mark J.	Albuquerque	NM		
Caruso; James	Albuquerque	NM		
Skamser; Daniel J.	Albuquerque	NM		
Powell; Quint K.	Albuquerque	NM		
Chandler; Clive D.	Portland	OR		

US-CL-CURRENT: 428/357; 257/B23.075, 428/402

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Image
Exam Data	Image									

11. Document ID: US 6187833 B1

L16: Entry 11 of 19

File: USPT

Feb 13, 2001

US-PAT-NO: 6187833

DOCUMENT-IDENTIFIER: US 6187833 B1

**** See image for Certificate of Correction ****

TITLE: Ternary photoinitiator system for curing of epoxy/polyol resin composition

DATE-ISSUED: February 13, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Oxman; Joel D.	St. Louis Park	MN		
Jacobs; Dwight W.	Hudson	WI		

US-CL-CURRENT: [522/15](#), [522/146](#), [522/170](#), [522/25](#), [522/81](#), [522/83](#), [522/908](#), [523/116](#), [523/117](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Image
Draw Desc	Image									

12. Document ID: US 6043295 A

L16: Entry 12 of 19

File: USPT

Mar 28, 2000

US-PAT-NO: 6043295

DOCUMENT-IDENTIFIER: US 6043295 A

**** See image for Certificate of Correction ****

TITLE: Ternary photoinitiator system for curing of epoxy resins

DATE-ISSUED: March 28, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Oxman; Joel D.	St. Louis Park	MN		
Jacobs; Dwight W.	Hudson	WI		

US-CL-CURRENT: [522/14](#), [430/270.1](#), [522/15](#), [522/170](#), [522/25](#), [522/81](#), [522/83](#), [522/908](#), [523/116](#), [523/117](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Image
Draw Desc	Image									

13. Document ID: US 6025406 A

L16: Entry 13 of 19

File: USPT

Feb 15, 2000

US-PAT-NO: 6025406

DOCUMENT-IDENTIFIER: US 6025406 A

**** See image for Certificate of Correction ****

TITLE: Ternary photoinitiator system for curing of epoxy resins

DATE-ISSUED: February 15, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Oxman; Joel D.	St. Louis Park	MN		
Jacobs; Dwight W.	Hudson	WI		

US-CL-CURRENT: [522/14](#), [522/15](#), [522/170](#), [522/25](#), [522/908](#), [523/116](#), [528/307](#), [528/406](#), [528/408](#), [528/421](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Image
Draw Desc	Image									

14. Document ID: US 5998495 A

L16: Entry 14 of 19

File: USPT

Dec 7, 1999

US-PAT-NO: 5998495

DOCUMENT-IDENTIFIER: US 5998495 A

** See image for Certificate of Correction **

TITLE: Ternary photoinitiator system for curing of epoxy/polyol resin compositions

DATE-ISSUED: December 7, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Oxman; Joel D.	St. Louis Park	MN		
Jacobs; Dwight W.	Hudson	WI		

US-CL-CURRENT: 522/15, 430/280.1, 430/281.1, 522/100, 522/103, 522/146, 522/170, 522/25, 522/908

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Image
Draw Desc	Image									

15. Document ID: US 5874197 A

L16: Entry 15 of 19

File: USPT

Feb 23, 1999

US-PAT-NO: 5874197

DOCUMENT-IDENTIFIER: US 5874197 A

TITLE: Thermal assisted photosensitive composition and method thereof

DATE-ISSUED: February 23, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Felten; John James	Chapel Hill	NC		

US-CL-CURRENT: 430/281.1, 430/285.1, 430/288.1, 430/311, 430/330, 522/32

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Image
Draw Desc	Image									

16. Document ID: US 5856373 A

L16: Entry 16 of 19

File: USPT

Jan 5, 1999

US-PAT-NO: 5856373

DOCUMENT-IDENTIFIER: US 5856373 A

** See image for Certificate of Correction **

TITLE: Dental visible light curable epoxy system with enhanced depth of cure

DATE-ISSUED: January 5, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kaisaki, David A.	St. Paul	MN		
Mitra, Sumita B.	West St. Paul	MN		
Schultz, William J.	Vadnais Heights	MN		
DeVoe, Robert J.	Oakdale	MN		

US-CL-CURRENT: 522/25, 522/146, 522/15, 522/168, 522/170, 522/77, 522/81, 522/83,
522/908, 523/116, 523/117

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	MMNC
Draw Desc	Image									

17. Document ID: US 5808108 A

L16: Entry 17 of 19

File: USPT

Sep 15, 1998

US-PAT-NO: 5808108

DOCUMENT-IDENTIFIER: US 5808108 A

TITLE: Polymeric compositions and composites prepared from spiroorthocarbonates and epoxy monomers

DATE-ISSUED: September 15, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chappelow, Cecil C.	Leawood	KS	66209	
Eick, J. David	Gladstone	MO	64119	
Pinzino, Charles S.	Kansas City	MO	64131	

US-CL-CURRENT: 549/335, 106/35, 522/168, 522/169, 522/170, 522/25, 523/116, 528/87,
528/96, 549/14, 549/15

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	MMNC
Draw Desc	Image									

18. Document ID: US 5424101 A

L16: Entry 18 of 19

File: USPT

Jun 13, 1995

US-PAT-NO: 5424101

DOCUMENT-IDENTIFIER: US 5424101 A

TITLE: Method of making metallized epoxy tools

DATE-ISSUED: June 13, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Atkins, Richard P.	Utica	MI		
Kuo, Hong-Hsiang	Troy	MI		
Wang, Chen-Shih	Troy	MI		

US-CL-CURRENT: 427/448; 427/197, 427/203, 427/205, 427/262, 427/267, 427/280, 427/404,
427/407.1, 427/419.5, 427/419.7, 427/422, 427/427, 427/449, 427/455, 427/456, 427/580

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	PMIC
Draw Desc	Image									

19. Document ID: US 5276074 A

L16: Entry 19 of 19

File: DWPI

Jan 4, 1994

DERWENT-ACC-NO: 1994-016094

DERWENT-WEEK: 199402

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TITLE: Polymer concrete pipe liner compsn. - comprises cement aggregate and liq. component contg. styrene and reactive unsatd. monomers free of acrylonitrile and acrylamide

INVENTOR: ALLEN, W C

PRIORITY-DATA: 1989US-0458998 (December 29, 1989), 1991US-0773256 (October 9, 1991)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 5276074 A	January 4, 1994		015	C08K003/00

INT-CL (IPC): C08K 3/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	PMIC
Draw Desc	Image									

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Term	Documents
SILICONE	266692
SILICONES	30709
(13 AND SILICONE) USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	19
(SILICONE AND L13) USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	19

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Term	Documents
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CONTACTS	662142
ANGLE	1547168
ANGLES	512744
(42 AND (CONTACT ADJ ANGLE)) USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	2
(CONTACT ANGLE AND L42) USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	2

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L43

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DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

[L43](#) contact angle and L422 [L43](#)[L42](#) (coat or coating or composit or composition) and L4146 [L42](#)[L41](#) (silicone or silicone resin) and L3947 [L41](#)[L40](#) silicone and L3947 [L40](#)

L39	I37 and L38	105	L39
L38	I27 and micron	148	L38
L37	I25 and micron	883	L37
L36	I25 and L34	5	L36
L35	I27 and L34	2	L35
L34	(bimodal particle size distribution)	400	L34
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L23	silicone and I21	0	L23
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L21	bimodal particle size distribution near4 filler and (silicon dioxide or silica)	2	L21
L20	bimodal particle size distribution near3 filler and (silicon dioxide or silica)	1	L20
L19	bimodal particle size distribution near2 filler and (silicon dioxide or silica)	1	L19
L18	bimodal particle size distribution near5 filler and (silicon dioxide or silica)	21	L18
L17	bimodal particle size distribution near filler and (silicon dioxide or silica)	0	L17
L16	silicone and L13	19	L16
L15	silicone and L14	2	L15
L14	micron and L11	6	L14
L13	micron and L12	37	L13
L12	bimodal particle size distribution and filler and (silicon dioxide or silica)	60	L12
L11	bimodal particle size distribution and filler and titanium dioxide	20	L11
L10	bimodal particle size distribution and filler and cristobalite	0	L10
L9	bimodal particle size distribution and filler	147	L9
L8	bimodal particle size distribution	447	L8

[L7](#) 15 and 16
[L6](#) mean particle diameter near 3 micron
[L5](#) mean particle diameter near 5 micron
[L4](#) mean particle diameter
[L3](#) Ermuth, Josef [in]
[L2](#) Wink, Reinhardt [in]
[L1](#) Born, Andrea [in]

1 [L7](#)
24 [L6](#)
44 [L5](#)
13687 [L4](#)
1 [L3](#)
1 [L2](#)
4 [L1](#)

END OF SEARCH HISTORY

Set Name Query

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Hit Count Set Name

result set

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=AND

L30	L29 and bimodal particle size distribution	0	L30
L29	micron and L28	63	L29
L28	l26 and L27	205	L28
L27	titanium dioxide and mean particle diameter	728	L27
L26	l24 and L25	205	L26
L25	(cristobalite or silica or silicon dioxide) and mean particle diameter	2746	L25
L24	coat\$ and silicone and (cristobalite or silica or silicon dioxide) and titanium dioxide	7532	L24
L23	silicone and l21	0	L23
L22	silicone and l18	12	L22
L21	bimodal particle size distribution near4 filler and (silicon dioxide or silica)	2	L21
L20	bimodal particle size distribution near3 filler and (silicon dioxide or silica)	1	L20
L19	bimodal particle size distribution near2 filler and (silicon dioxide or silica)	1	L19
L18	bimodal particle size distribution near5 filler and (silicon dioxide or silica)	21	L18
L17	bimodal particle size distribution near filler and (silicon dioxide or silica)	0	L17
L16	silicone and L13	19	L16
L15	silicone and L14	2	L15
L14	micron and L11	6	L14
L13	micron and L12	37	L13
L12	bimodal particle size distribution and filler and (silicon dioxide or silica)	60	L12
L11	bimodal particle size distribution and filler and titanium dioxide	20	L11
L10	bimodal particle size distribution and filler and cristobalite	0	L10
L9	bimodal particle size distribution and filler	147	L9
L8	bimodal particle size distribution	447	L8
L7	l5 and l6	1	L7
L6	mean particle diameter near 3 micron	24	L6
L5	mean particle diameter near 5 micron	44	L5
L4	mean particle diameter	13687	L4
L3	Ermuth, Josef [in]	1	L3
L2	Wink, Reinhardt [in]	1	L2
L1	Born, Andrea [in]	4	L1

Set Name Query

side by side

DB USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

Hit Count Set Name

result set

<u>L21</u>	bimodal particle size distribution near4 filler and (silicon dioxide or silica)	2	<u>L21</u>
<u>L20</u>	bimodal particle size distribution near3 filler and (silicon dioxide or silica)	1	<u>L20</u>
<u>L19</u>	bimodal particle size distribution near2 filler and (silicon dioxide or silica)	1	<u>L19</u>
<u>L18</u>	bimodal particle size distribution near5 filler and (silicon dioxide or silica)	21	<u>L18</u>
<u>L17</u>	bimodal particle size distribution near filler and (silicon dioxide or silica)	0	<u>L17</u>
<u>L16</u>	silicone and L13	19	<u>L16</u>
<u>L15</u>	silicone and L14	2	<u>L15</u>
<u>L14</u>	micron and L11	6	<u>L14</u>
<u>L13</u>	micron and L12	37	<u>L13</u>
<u>L12</u>	bimodal particle size distribution and filler and (silicon dioxide or silica)	60	<u>L12</u>
<u>L11</u>	bimodal particle size distribution and filler and titanium dioxide	20	<u>L11</u>
<u>L10</u>	bimodal particle size distribution and filler and cristobalite	0	<u>L10</u>
<u>L9</u>	bimodal particle size distribution and filler	147	<u>L9</u>
<u>L8</u>	bimodal particle size distribution	447	<u>L8</u>
<u>L7</u>	l5 and l6	1	<u>L7</u>
<u>L6</u>	mean particle diameter near 3 micron	24	<u>L6</u>
<u>L5</u>	mean particle diameter near 5 micron	44	<u>L5</u>
<u>L4</u>	mean particle diameter	13687	<u>L4</u>
<u>L3</u>	Ermuth, Josef [in]	1	<u>L3</u>
<u>L2</u>	Wink, Reinhardt [in]	1	<u>L2</u>
<u>L1</u>	Born, Andrea [in]	4	<u>L1</u>

END OF SEARCH HISTORY

Set Name Query

side by side

Hit Count Set Name

result set

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR YES; OP=ADJ

<u>L16</u>	silicone and L13 (SiO_2)	19	<u>L16</u>
<u>L15</u>	silicone and L14 TiO_2	2	<u>L15</u>
<u>L14</u>	micron and L11 (TiO_2)	6	<u>L14</u>
<u>L13</u>	micron and L12 (SiO_2)	37	<u>L13</u>
<u>L12</u>	bimodal particle size distribution and filler and (silicon dioxide or silica)	60	<u>L12</u>
<u>L11</u>	bimodal particle size distribution and filler and titanium dioxide	20	<u>L11</u>
<u>L10</u>	bimodal particle size distribution and filler and cristobalite	0	<u>L10</u>
<u>L9</u>	bimodal particle size distribution and filler	147	<u>L9</u>
<u>L8</u>	bimodal particle size distribution	447	<u>L8</u>
<u>L7</u>	L5 and L6	1	<u>L7</u>
<u>L6</u>	mean particle diameter near 3 micron	24	<u>L6</u>
<u>L5</u>	mean particle diameter near 5 micron	44	<u>L5</u>
<u>L4</u>	mean particle diameter	13687	<u>L4</u>
<u>L3</u>	Ermuth, Josef [in]	1	<u>L3</u>
<u>L2</u>	Wink, Reinhardt [in]	1	<u>L2</u>
<u>L1</u>	Born, Andrea [in]	4	<u>L1</u>

END OF SEARCH HISTORY

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 2 of 2 returned.****1. Document ID: US 6413548 B1**

L43: Entry 1 of 2

File: USPT

Jul 2, 2002

US-PAT-NO: 6413548

DOCUMENT-IDENTIFIER: US 6413548 B1

TITLE: Particulate encapsulation of liquid beads

DATE-ISSUED: July 2, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hamer; Monica A.	Woodbury	MN		
Marti; James J.	St. Paul	MN		
Hendrickson; William A.	Stillwater	MN		

US-CL-CURRENT: 424/489; 424/490, 424/491, 424/493, 424/497, 424/498, 428/402.2,
428/402.21, 428/403, 428/407

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	IMC
Original	Image	Image	Image	Image	Image	Image	Image	Image	Image	Image

2. Document ID: US 6013724 A

L43: Entry 2 of 2

File: USPT

Jan 11, 2000

US-PAT-NO: 6013724

DOCUMENT-IDENTIFIER: US 6013724 A

TITLE: Raindrop fouling-resistant paint film, coating composition, film-forming method, and coated article

DATE-ISSUED: January 11, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mizutani; Keita	Suita			JP
Tozaki; Yoichi	Suita			JP
Okai; Toshihiro	Katano			JP
Endou; Hozumi	Kitakyusyu			JP
Sawai; Takeshi	Kitakyusyu			JP
Matsuzoe; Nobuyuki	Kawasaki			JP

US-CL-CURRENT: 524/588; 106/15.05, 523/212, 524/448, 524/449, 524/837